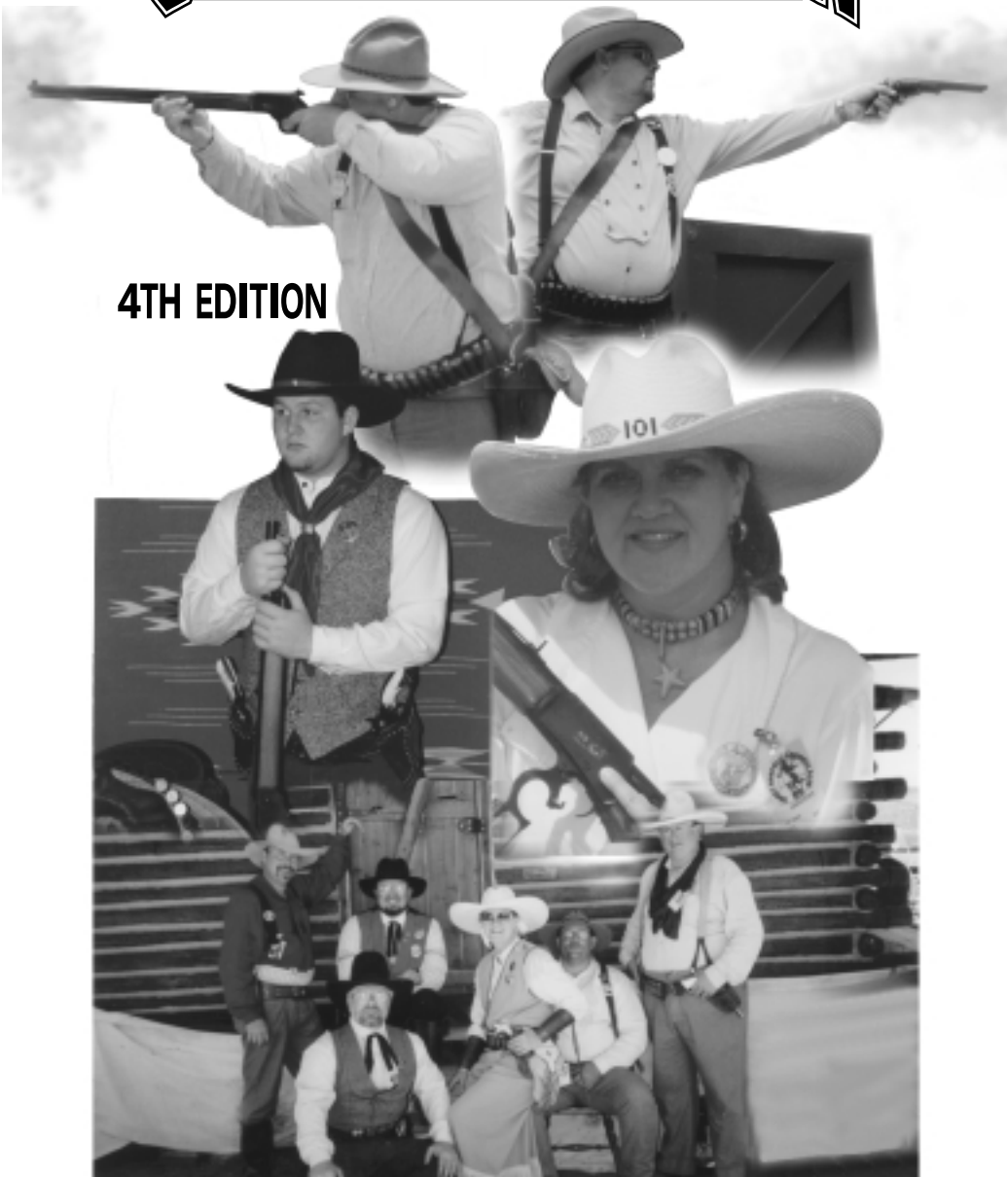
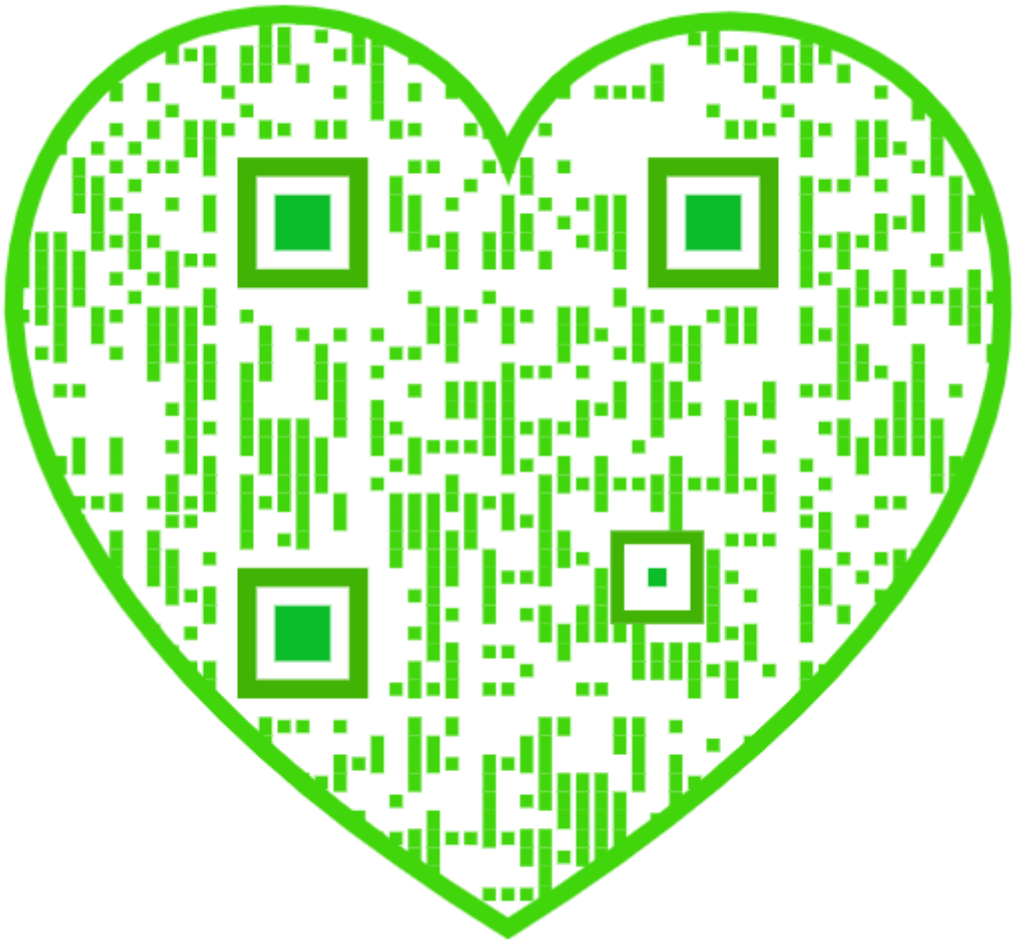
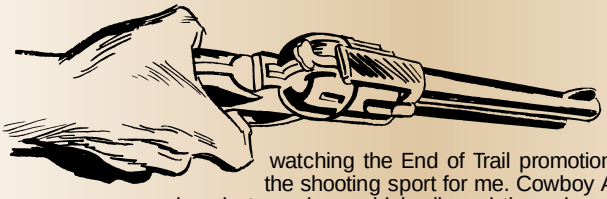
HODGDON®

COWBOY ACTION DATA

4TH EDITION







After reading a number of magazine articles about Cowboy Action shooting and watching the End of Trail promotional video, I knew that this was the shooting sport for me. Cowboy Action Shooting offered a more relaxed atmosphere which allowed the enjoyment of competition without the stress associated with other shooting sports. I also found that Cowboy Action Shooting is addictive. After attending End of Trail '95 with me; my wife decided that this sport was too neat to pass up. My wife, son and I are all involved in shooting now. Cowboy Action Shooting is the perfect shooting sport for the family. Women and juniors are always welcome at Cowboy shoots.

As I began to prepare to participate in Cowboy Action Shooting, I found a glaring problem confronting shooters. Reloading data for the historic cartridges just was not available. For years the public had demanded higher and higher levels of performance from cartridges and powders and the firearms industry responded. Cowboy Action Shooting came along and required the opposite; handgun loads with lead bullets that do not exceed 1000 fps and rifle loads for handgun cartridges which are limited to 1400 fps with lead bullets. It became apparent that something had to be done to meet the need.

Hodgdon Powder Co. has made the decision to invest the time, money and manpower to develop data specifically for the Cowboy Action shooter. As we started shooting the Cowboy Action data, we found that there are a few problems associated with the performance levels required for this sport.

1) We are asking cartridge/powder combinations to do things which were never intended.
2) No single propellant works best for all cartridges.
3) Clean loads result from fast burning powders with lower loading densities. Better loading density is achieved with slower powders, but they are not as clean.

The results of my experimentation are presented in the data included in this brochure. There are a few things that I must share:

Velocities for all cartridges listed are limited by the SAAMI maximum allowable pressures. Minimum loads are established by pressure. Loads with very low pressure may fail to function properly in cold weather matches, resulting in a bullet becoming lodged in the bore. (Read warnings section.)

The average loss in velocity from the listed pressure barrel data when using a 4 5/8" barreled revolver is 175 fps. A 7 1/2" revolver will lose about 50 fps.

Carbines will generally develop velocities similar to those listed in the data. Some carbine/cartridge combinations will exceed the velocities listed.

Because of a wide variation in bullet diameter, chamber diameter, cylinder gap, case capacity and manufacturing variations in primers and powder, I suggest that you chronograph loads from your own firearms.

If you have any ideas or questions, feel free to contact our technical staff or me and we can discuss it. Every time I attend a shoot, I find new ideas. I am willing to share what I know and would be glad to learn what you know.

Mike Daly ***BIRDSHOT SASS #3616***

WARNING

Pyrodex® is not intended and should not be used for any purpose other than as a propellant for blackpowder percussion and cartridge firearms, which have been found by a competent gunsmith to be in safe shootable condition.

The information presented in this brochure is based upon results obtained in our ballistics laboratory, and is offered as an aid to shooters to be employed at their own discretion and risk. Safe loading practices should be observed at all times. Since we have no control over the circumstances of loading, we assume no liability for the results obtained, and we guarantee only that our powder meets our exacting standards.

HODGDON POWDER BALLISTIC DATA

Ballistic data shown in this brochure has been developed in our laboratory under strictly controlled conditions. Ballistic data can vary considerably depending on many factors including components used, how such components are assembled, degree of fouling or leading of the barrel, the type of firearm used, and the loading techniques and safety precautions utilized by the individual.

NEVER MIX ANY TWO POWDERS REGARDLESS OF TYPE, BRAND OR SOURCE. ***NEVER*** substitute any smokeless powder for Pyrodex.

STORAGE OF HODGDON POWDERS

Do not store powder with other combustible materials. Always keep the container of Hodgdon powder tightly closed to prevent spillage or contamination of the powder. Keep all powders in their original containers with proper warning labels.

Powders should not be exposed to open flame, sparks, heat, impact, friction or allowed to become contaminated with oil, grease, dirt, sand, or any other foreign materials, or left open or exposed to humid conditions. Moisture will ruin Pyrodex. ***Keep lid on the can when not being used***. Powders should not be stored in glass containers. Stocks should be rotated. (Use oldest first.)

USING HODGDON POWDERS

- Know and use safe operating methods when handling and loading powder.
- Do not increase loads past the recommendations found in this brochure.
- When using Pyrodex seat projectile against powder charge as air space between powder charge and projectile may create a hazardous situation.
- Very low pressure loads may leave a bullet or wad lodged in the barrel creating a danger when the next round is fired.
- Do not use a powder measure designed for smokeless powder when loading Pyrodex. Ignition of Pyrodex is possible in these measures.
- Filler material other than card wads should not be used with Pyrodex. No filler materials are required for smokeless loads. Improper fillers may alter the burning characteristics of powders.

CAUTION: NEVER smoke or use any source of accidental ignition while loading, shooting or handling Pyrodex.

- Clean up any spilled powder – ***do not use a vacuum cleaner.***
- If you are not willing to accept the responsibilities involved in the safe handling and use of Hodgdon powders, return the powder to the place of purchase for a full refund of the purchase price. If you have any questions about about the safe use of our products, contact Hodgdon Powder Company.

Handle powder with care and keep powder out of reach of children and people who are not aware of the hazards involved! Do not take powder internally. Failure to use powder in accordance with our instructions and data may result in severe personal injury or death to user and/or bystander. Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

DISCLAIMER

Hodgdon specifically disclaims any warranties with respect to any and all products sold or distributed by it, the safety or suitability thereof, or the results obtained, whether express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose and/or any other warranty. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries (including death), losses, or damages to persons or property (including consequential damages), arising from the use of any product or data, whether or not occasioned by seller's negligence or based on strict product liability or principles of indemnity or contribution. Hodgdon neither assumes nor authorizes any person to assume for it any liability in connection with the use of any product or data.

The individual assumes the risk of safe loading practices. Failure to do so or violation of any of the above warnings could result in severe personal injury (including death) to the user and/or bystanders or gun damage.

SMOKELESS PISTOL AND CARBINE

	STARTING LOADS				MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
25-20 WINCHESTER								
71 GR LEAD RNFP	H4227	6.0 gr.	1146	13,700	H-4227	7.0 gr.	1346	18,200
	HS-7	4.8 gr.	1202	14,900	HS-7	5.8 gr.	1465	22,800
	HS-6	4.3 gr.	1206	18,700	HS-6	5.3 gr.	1428	21,900
85 GR LEAD RNFP	H4227	6.0 gr.	1129	18,500	H-4227	7.0 gr.	1317	20,500
	HS-7	4.5 gr.	1085	17,700	HS-7	5.8 gr.	1407	26,200
	HS-6	4.5 gr.	1261	19,600	HS-6	5.3 gr.	1391	25,300

COWBOY ACTION DATA

SMOKELESS PISTOL AND CARBINE

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	CUP	MAXIMUM LOADS POWDER	GRS.	VEL. fps	CUP
32 H & R MAGNUM								
90 GR LEAD RNFP	HS-6	4.6 gr.	845	10,900	HS-6	5.0 gr.	963	14,800
	UNIVERSAL	3.0 gr.	819	8,400	UNIVERSAL	3.2 gr.	908	11,500
	HP38	2.8 gr.	828	9,600	HP38	3.2 gr.	919	12,500
	TITEGROUP	2.4 gr.	819	10,500	TITEGROUP	2.8 gr.	911	13,300
32-20 WINCHESTER (COLT PISTOL)								
90 GR LEAD RNFP	HP38	3.2 gr.	833	11,900	HP38	3.5 gr.	969	16,000
	TITEGROUP	3.0 gr.	937	12,300	TITEGROUP	3.4 gr.	1012	15,800
115 GR LEAD RNFP	UNIVERSAL	3.0 gr.	808	14,200	UNIVERSAL	3.2 gr.	869	16,000
	HP38	3.2 gr.	839	11,100	HP38	3.5 gr.	915	15,600
	TITEGROUP	2.7 gr.	815	12,900	TITEGROUP	3.0 gr.	857	15,300
32-20 WINCHESTER (RUGER PISTOL AND RIFLE DATA ONLY)								
90 GR LEAD RNFP	HP38	3.5 gr.	969	16,000	HP38	4.5 gr.	1,177	22,800
115 GR LEAD RNFP	UNIVERSAL	3.2 gr.	869	16,000	UNIVERSAL	4.0 gr.	1,037	22,600
	HP38	3.5 gr.	915	15,600	HP38	4.3 gr.	1,045	22,600
38 LONG COLT								
125 GR LEAD RN	UNIVERSAL	3.2 gr.	626		UNIVERSAL	3.7 gr.	772	
	HP38	2.6 gr.	636		HP38	3.2 gr.	766	
	TITEGROUP	2.3 gr.	657		TITEGROUP	2.7 gr.	752	
	CLAYS	2.0 gr.	631		CLAYS	2.5 gr.	765	
150 GR LEAD RN	UNIVERSAL	3.0 gr.	631		UNIVERSAL	3.5 gr.	769	
	HP38	2.6 gr.	631		HP38	3.3 gr.	777	
	TITEGROUP	2.3 gr.	641		TITEGROUP	2.8 gr.	755	
	CLAYS	2.0 gr.	624		CLAYS	2.6 gr.	744	
38 SPECIAL								
125 GR LEAD RNFP	UNIVERSAL	4.3 gr.	872	8,700	UNIVERSAL	4.7 gr.	1,036	16,800
	HP38	3.8 gr.	876	10,300	HP38	4.8 gr.	1,071	16,900
	TITEGROUP	3.2 gr.	856	8,400	TITEGROUP	3.8 gr.	985	12,000
	CLAYS	2.5 gr.	810	8,400	CLAYS	3.5 gr.	978	16,900
135 GR LEAD RNFP	UNIVERSAL	4.1 gr.	924	13,400	UNIVERSAL	4.6 gr.	1,025	16,900
	HP38	3.7 gr.	872	12,500	HP38	4.7 gr.	1,024	17,000
	TITEGROUP	3.1 gr.	824	9,600	TITEGROUP	3.6 gr.	927	12,900
	CLAYS	2.6 gr.	767	11,400	CLAYS	3.3 gr.	910	16,200
158 GR LEAD SWC	UNIVERSAL	3.5 gr.	756	9,600	UNIVERSAL	4.5 gr.	974	16,700
	INTERNATIONAL	3.0 gr.	798	12,400	INTERNATIONAL	3.5 gr.	903	16,100
	HP38	3.1 gr.	782	11,900	HP38	3.7 gr.	834	14,600
	TITEGROUP	3.2 gr.	815	11,500	TITEGROUP	3.8 gr.	920	15,400
	CLAYS	2.8 gr.	812	12,900	CLAYS	3.1 gr.	871	15,100
357 MAGNUM								
125 GR LEAD RNFP	UNIVERSAL	4.8 gr.	1046	11,000	UNIVERSAL	6.8 gr.	1,401	34,200.
	HP38	4.6 gr.	1,052	13,800	HP38	5.5 gr.	1,185	18.800.
	TITEGROUP	4.0 gr.	1,055	13,800	TITEGROUP	5.4 gr.	1,274	22,800
	CLAYS	3.5 gr.	984	11,900	CLAYS	5.3 gr.	1,260	33,000.

SMOKELESS PISTOL AND CARBINE

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	CUP	MAXIMUM LOADS POWDER	GRS.	VEL. fps	CUP
357 MAGNUM (CONTINUED)								
135 GR LEAD RNFP	UNIVERSAL	4.8 gr.	986	11,700	UNIVERSAL	6.5 gr.	1,314	27,800
	HP38	4.1 gr.	946	11,700	HP38	5.3 gr.	1,027	19,400
	TITEGROUP	3.5gr.	906	13,100	TITEGROUP	5.2 gr.	1,186	24,500
	CLAYS	3.4 gr.	914	12,200	CLAYS	5.1 gr.	1,207	30,200
158 GR LEAD SWC	UNIVERSAL	4.0 gr.	890	15,700	UNIVERSAL	6.2 gr.	1,247	33,400
	HP38	3.4 gr.	796	12,600	HP38	5.0 gr.	1,109	23,900
	TITEGROUP	3.5 gr.	893	16,100	TITEGROUP	5.0 gr.	1,108	24,900
	CLAYS	3.2 gr.	867	14,400	CLAYS	4.6 gr.	1,079	33,600
38-40 WCF (IN PSI)								
180 GR LEAD RNFP	UNIVERSAL	6.9 gr.	813	8,200	UNIVERSAL	7.5 gr.	955	11,900
	HP38	5.8 gr.	747	9,400	HP38	6.8 gr	934	13,500
	TITEGROUP	5.0gr.	819	7,000	TITEGROUP	6.4gr.	990	13,300
	CLAYS	4.7 gr.	760	8,700	CLAYS	5.5 gr.	889	13,500
44-40 WCF (IN PSI)								
200 GR LEAD RNFP	UNIVERSAL	6.6 gr.	722	10,000	UNIVERSAL	7.3 gr.	777	11,100
	HP38	5.5 gr.	711	9,800	HP38	6.5 gr.	820	12,400
	TITEGROUP	5.0 gr.	758	8,400	TITEGROUP	6.2 gr.	901	12,900
	CLAYS	4.2 gr.	648	8,200	CLAYS	5.0 gr.	765	11,700
44 RUSSIAN								
160-165 GR LEAD RNFP	HP38	4.5 gr.	878	8,300	HP38	5.2 gr.	1,002	10,400
	TITEGROUP	4.0 gr.	884	6,100	TITEGROUP	5.3 gr.	1,076	12,000
	CLAYS	3.0 gr.	776	7,300	CLAYS	4.0 gr.	977	11,100
200 GR LEAD RNFP	UNIVERSAL	4.8 gr.	816	8,100	UNIVERSAL	5.7 gr.	970	11,500
	HP38	4.2 gr.	763	7,300	HP38	5.0 gr.	900	11,300
	TITEGROUP	3.5 gr.	738	5,100	TITEGROUP	4.8 gr.	963	11,400
	CLAYS	3.2 gr.	747	8,000	CLAYS	3.7 gr.	837	11,100
240 GR LEAD RNFP	UNIVERSAL	3.8 gr.	679	6,400	UNIVERSAL	4.6 gr.	841	11,000
	HP38	4.0 gr.	753	8,900	HP38	4.8 gr.	842	11,000
	TITEGROUP	3.5 gr.	732	7,300	TITEGROUP	4.2 gr.	837	11,500
	CLAYS	3.0 gr.	711	9,400	CLAYS	3.5 gr.	769	10,700
44 COLT								
165 GR LEAD RNFP	HP38	4.5 gr.	826	6,100	HP38	5.5 gr.	983	9,300
	TITEGROUP	4.0 gr.	864	6,300	TITEGROUP	5.0 gr.	1,020	9,300
	CLAYS	3.0 gr.	705	6,600	CLAYS	4.2 gr.	944	9,000
185 GR LEAD RNFP	HP38	4.5 gr.	807	6,600	HP38	5.3 gr.	928	9,400
	TITEGROUP	3.8 gr.	806	6,200	TITEGROUP	4.8 gr.	950	9,500
	CLAYS	3.0 gr.	692	5,800	CLAYS	4.2 gr.	893	9,600
200 GR LEAD RNFP	UNIVERSAL	4.8 gr.	762	6,100	UNIVERSAL	5.7 gr.	927	9,900
	HP38	4.5 gr.	799	7,000	HP38	5.3 gr.	881	9,400
	TITEGROUP	4.0 gr.	787	6,300	TITEGROUP	4.8 gr.	912	10,000
	CLAYS	3.2 gr.	710	6,100	CLAYS	3.9 gr.	831	10,000
240 GR LEAD RNFP	UNIVERSAL	4.5 gr.	769	6,400	UNIVERSAL	5.2 gr.	870	10,400
	HP38	4.2 gr.	733	7,200	HP38	4.9 gr.	827	9,900
	TITEGROUP	3.5 gr.	717	6,300	TITEGROUP	4.3 gr.	826	10,000
	CLAYS	4.0 gr.	706	6,800	CLAYS	4.7 gr.	818	9,500

COWBOY ACTION DATA

SMOKELESS PISTOL AND CARBINE

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	CUP	MAXIMUM LOADS POWDER	GRS.	VEL. fps	CUP
44 SPECIAL								
160-165 GR LEAD RNFP	UNIVERSAL	5.5 gr.	851	5,700	UNIVERSAL	6.3 gr.	1,042	10,900
	HP38	4.9 gr.	893	8,200	HP38	6.0 gr.	1,040	12,000
	TITEGROUP	4.5 gr.	865	7,100	TITEGROUP	5.8 gr.	1,035	13,400
	CLAYS	3.6 gr.	836	6,000	CLAYS	4.6 gr.	1,009	13,400
185 GR LEAD RNFP	UNIVERSAL	5.4 gr.	823	7,700	UNIVERSAL	6.4 gr.	1,031	13,900
	HP38	4.4 gr.	810	8,000	HP38	5.6 gr.	953	12,500
	TITEGROUP	4.0 gr.	819	6,600	TITEGROUP	5.5 gr.	1,025	11,600
	CLAYS	3.5 gr.	810	7,800	CLAYS	4.2 gr.	930	13,200
200 GR LEAD RNFP	UNIVERSAL	5.5 gr.	802	8,200	UNIVERSAL	6.5 gr.	960	12,900
	INTERNATIONAL	4.3 gr.	774	7,300	INTERNATIONAL	5.2 gr.	919	13,500
	HP38	4.5 gr.	743	8,300	HP38	5.6 gr.	918	12,500
	TITEGROUP	3.8 gr.	746	5,700	TITEGROUP	5.4 gr.	973	13,100
	CLAYS	3.5 gr.	748	7,800	CLAYS	4.5 gr.	891	14,000
240 GR LEAD SWC	UNIVERSAL	4.9 gr.	721	8,000	UNIVERSAL	5.6 gr.	873	13,300
	INTERNATIONAL	3.9 gr.	723	8,900	INTERNATIONAL	4.7 gr.	825	13,000
	HP38	4.2 gr.	717	8,400	HP38	5.2 gr.	858	13,200
	TITEGROUP	4.0 gr.	758	9,400	TITEGROUP	4.8 gr.	862	13,100
	CLAYS	3.2 gr.	669	9,000	CLAYS	4.0 gr.	771	13,500
44 MAGNUM								
160-165 GR LEAD RNFP	UNIVERSAL	6.5 gr.	918	7,700	UNIVERSAL	7.2 gr.	1,059	11,500
	HP38	6.0 gr.	963	10,100	HP38	7.0 gr.	1,088	13,900
	TITEGROUP	5.3 gr.	949	11,800	TITEGROUP	6.5 gr.	1,083	16,400
	CLAYS	4.4 gr.	910	8,500	CLAYS	5.5 gr.	1,064	15,500
185 GR LEAD RNFP	UNIVERSAL	6.4 gr.	919	8,400	UNIVERSAL	7.4 gr.	1,070	12,600
	HP38	5.9 gr.	906	9,400	HP38	7.2 gr.	1,058	14,700
	TITEGROUP	5.3 gr.	902	9,500	TITEGROUP	6.6 gr.	1,082	16,500
	CLAYS	4.2 gr.	839	8,900	CLAYS	6.0 gr.	1,043	18,400
200 GR LEAD RNFP	UNIVERSAL	6.8 gr.	897	10,500	UNIVERSAL	7.8 gr.	1,045	15,400
	INTERNATIONAL	5.3 gr.	854	10,000	INTERNATIONAL	6.8 gr.	1,044	18,300
	HP38	5.8 gr.	875	10,800	HP38	7.4 gr.	1,039	16,700
	TITEGROUP	5.0 gr.	878	11,000	TITEGROUP	6.6 gr.	1,061	17,300
	CLAYS	4.2 gr.	785	8,500	CLAYS	6.4 gr.	1,028	20,200
240 GR LEAD SWC	UNIVERSAL	6.5 gr.	852	11,700	UNIVERSAL	7.6 gr.	1,009	19,900
	INTERNATIONAL	4.5 gr.	737	9,900	INTERNATIONAL	6.5 gr.	970	21,700
	HP38	5.5 gr.	800	12,000	HP38	7.2 gr.	961	18,400
	TITEGROUP	4.7 gr.	801	11,100	TITEGROUP	6.2 gr.	970	18,400
	CLAYS	4.3 gr.	759	14,000	CLAYS	6.2 gr.	940	21,800
45 S&W (SCHOFIELD)								
200 GR LEAD RNFP	UNIVERSAL	6.0 gr.	773	9,100	UNIVERSAL	7.0 gr.	938	13,100
	HP38	5.2 gr.	745	8,800	HP38	6.2 gr.	877	13,000
	TITEGROUP	4.5 gr.	715	6,700	TITEGROUP	6.0 gr.	925	12,100
	CLAYS	4.0 gr.	733	8,300	CLAYS	5.0 gr.	845	13,100

DO NOT LOAD BELOW MINIMUM RECOMMENDATIONS, doing so could result in a bullet stuck in the bore.

SMOKELESS PISTOL AND CARBINE

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	CUP	MAXIMUM LOADS POWDER	GRS.	VEL. fps	CUP
45 S&W (SCHOFIELD) (CONTINUED)								
225-230 GR LEAD RNFP	UNIVERSAL	5.5 gr.	738	9,400	UNIVERSAL	6.0 gr.	816	11,400
	HP38	5.0 gr.	719	9,900	HP38	5.7 gr.	816	12,700
	TITEGROUP	4.5 gr.	702	7,800	TITEGROUP	5.8 gr.	866	12,300
	CLAYS	4.0 gr.	697	9,400	CLAYS	4.7 gr.	783	13,600
250 GR LEAD RNFP	UNIVERSAL	6.0 gr.	724	9,900	UNIVERSAL	6.3 gr.	830	13,800
	HP38	4.5 gr.	664	10,100	HP38	5.2 gr.	741	12,100
	TITEGROUP	4.5 gr.	716	7,900	TITEGROUP	5.3 gr.	811	11,600
	CLAYS	4.0 gr.	674	11,000	CLAYS	4.2 gr.	710	12,500
45 LONG COLT								
160-165 GR LEAD RNFP	UNIVERSAL	6.5 gr.	798	7,400	UNIVERSAL	9.5 gr.	1,197	12,900
	HP38	6.5 gr.	917	7,700	HP38	9.0 gr.	1,177	13,800
	TITEGROUP	6.0 gr.	932	6,000	TITEGROUP	7.0 gr.	1,051	9,100
	CLAYS	5.0 gr.	907	7,500	CLAYS	6.4 gr.	1,083	13,500
180 GR LEAD RNFP	UNIVERSAL	6.5 gr.	791	7,100	UNIVERSAL	9.2 gr.	1,161	13,900
	HP38	6.0 gr.	838	6,500	HP38	8.2 gr.	1,087	13,900
	TITEGROUP	5.0 gr.	759	4,600	TITEGROUP	6.9 gr.	1,020	10,900
	CLAYS	4.8 gr.	840	7,900	CLAYS	6.0 gr.	1,016	13,800
200 GR LEAD RNFP	UNIVERSAL	6.4 gr.	749	5,700	UNIVERSAL	8.8 gr.	1,067	13,600
	HP38	5.9 gr.	761	5,800	HP38	8.0 gr.	1,002	13,800
	TITEGROUP	5.0 gr.	731	4,700	TITEGROUP	7.7 gr.	1,050	12,700
	CLAYS	4.6 gr.	777	5,900	CLAYS	5.9 gr.	931	13,100
215 GR LEAD RNFP	UNIVERSAL	6.8 gr.	777	6,300	UNIVERSAL	8.6 gr.	1,001	13,800
	HP38	5.9 gr.	758	5,900	HP38	7.8 gr.	965	13,500
	TITEGROUP	5.0 gr.	728	4,800	TITEGROUP	7.2 gr.	983	12,100
	CLAYS	4.6 gr.	754	6,400	CLAYS	5.7 gr.	889	13,400
225-230 GR LEAD RNFP	UNIVERSAL	6.5 gr.	761	7,600	UNIVERSAL	8.1 gr.	975	13,800
	HP38	5.8 gr.	738	7,300	HP38	7.3 gr.	941	13,700
	TITEGROUP	5.0 gr.	762	7,200	TITEGROUP	6.5 gr.	934	13,000
	CLAYS	4.4 gr.	734	7,600	CLAYS	5.4 gr.	865	13,900
250 GR LEAD RNFP	HS-6	9.0 gr.	787	7,800	HS-6	10.5 gr.	946	13,300
	UNIVERSAL	6.5 gr.	742	9,200	UNIVERSAL	7.8 gr.	941	13,000
	INTERNATIONAL	5.4 gr.	786	9,200	INTERNATIONAL	6.0 gr.	866	13,400
	HP38	5.8 gr.	785	9,100	HP38	7.1 gr.	916	13,900
	TITEGROUP	5.0 gr.	716	7,600	TITEGROUP	6.2 gr.	881	13,000
	CLAYS	4.2 gr.	713	8,500	CLAYS	5.1 gr.	817	13,400

LONG RANGE RIFLE

The loads listed below are representative of common calibers used. As there are so many cartridges which could be used, only a few are shown. DO NOT USE ANY FILLER MATERIAL WITH THESE LOADS, as fillers can alter pressure and velocities decidedly. Velocities were limited to approximately 1600 f.p.s. due to excessive leading at higher velocities. If you want to use any other cartridge, consult the 26th edition of Hodgdon's Powder Manual, or contact us for advice at 913-362-9455.

Use flat point bullets in tubular magazines.

*H-110 and H-4227 loads should not be reduced more than 3% due to inconsistency of velocity at the lower pressure.

COWBOY ACTION DATA

LONG RANGE RIFLE

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	CUP	MAXIMUM LOADS POWDER	GRS.	VEL. fps	CUP
25-35 WINCHESTER								
90 GR LFP W/GC	TITEGROUP	5.0 gr.	1369	18,000	TITEGROUP	7.0 gr.	1513	28,900
30-30 WINCHESTER								
160 GR CAST	H4895	17.5 gr.	1351	15,200	H4895	21.0 gr.	1562	23,100
	H4198	15.0 gr.	1420	15,000	H4198	17.0 gr.	1616	20,600
32-40 WINCHESTER								
196 GR CAST	H110*Reduce Maximum 3%				H110	12.0 gr.	1376	19,200
	H4227*Reduce Maximum 3%				H4227	13.0 gr.	1267	18,000
38-55 WINCHESTER								
250 GR CAST	H4895	21.0 gr.	1197	18,200	H4895	26.0 gr.	1600	26,500
	H4198	18.5 gr.	1408	17,100	H4198	21.0 gr.	1608	23,700
40-65 WINCHESTER (SINGLE SHOT)								
400 GR BUFFALO ARMS LEAD RNFP	VARGET	35.0 gr.	1438	20,100	VARGET	38.0 gr.	1558	24,800
	H4895	33.0 gr.	1423	19,700	H4895	36.0 gr.	1554	24,200
	BENCHMARK	29.0 gr.	1321	18,800	BENCHMARK	32.5 gr.	1491	25,000
	H322	30.5 gr.	1398	19,200	H322	33.0 gr.	1520	23,900
	H4198	28.0 gr.	1441	21,200	H4198	31.0 gr.	1572	24,700
	H4227	20.0 gr.	1277	18,900	H4227	23.0 gr.	1410	24,900
45-70 GOVERNMENT								
300 GR CAST	VARGET	45.0 gr.	1599	17,800	VARGET	55.0 gr.	1880	20,600
	H4895	45.0 gr.	1572	14,400	H4895	51.0 gr.	1703	15,500
	H4198	30.0 gr.	1390	14,400	H4198	35.5 gr.	1641	16,100
385 GR CAST	VARGET	42.5 gr.	1537	15,400	VARGET	52.5 gr.	1805	21,800
	H4895	35.0 gr.	1280	11,900	H4895	42.0 gr.	1526	23,100
	H4198	28.0 gr.	1302	13,300	H4198	32.0 gr.	1483	14,700
405 GR CAST	VARGET	40.0 gr.	1392	15,600	VARGET	50.0 gr.	1718	20,900
	H4895	40.0 gr.	1424	14,900	H4895	48.0 gr.	1645	18,900
	H4198	27.0 gr.	1251	14,200	H4198	31.0 gr.	1459	17,100
485 GR CAST	H4895	32.0 gr.	1155	15,600	H4895	39.0 gr.	1403	22,700
	H4198	28.0 gr.	1279	16,400	H4198	32.0 gr.	1434	20,400
45-120 SHARPS								
350 GR LYMAN #457122	H4895	59.0 gr.	1875	24,800	H4895	64.0 gr.	2031	26,900
	BENCHMARK	53.0 gr.	1809	24,700	BENCHMARK	57.0 gr.	1922	26,800
	H322	50.0 gr.	1717	21,000	H322	53.0 gr.	1874	27,700
	H4198	46.0 gr.	1783	22,500	H4198	49.0 gr.	1903	27,500
405 GR LYMAN #457193	VARGET	59.0 gr.	1763	24,200	VARGET	63.0 gr.	1858	28,200
	H4895	58.0 gr.	1849	26,000	H4895	64.0 gr.	2012	28,300
	BENCHMARK	53.0 gr.	1805	26,500	BENCHMARK	58.0 gr.	1917	27,200
	H322	49.0 gr.	1665	23,200	H322	52.5 gr.	1793	27,900
	H4198	45.0 gr.	1708	24,700	H4198	48.0 gr.	1818	27,200

*H-110 and H-4227 loads should not be reduced more than 3% due to inconsistency of velocity at the lower pressure.

LONG RANGE RIFLE

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	CUP	MAXIMUM LOADS POWDER	GRS.	VEL. fps	CUP
45-120 SHARPS (CONTINUED)								
500 GR LYMAN #457125	VARGET	56.0 gr.	1618	24,200	VARGET	61.0 gr.	1737	27,900
	H4895	54.0 gr.	1641	24,400	H4895	60.0 gr.	1809	28,500
	BENCHMARK	50.0 gr.	1607	26,600	BENCHMARK	54.5 gr.	1747	28,200
	H322	48.0 gr.	1568	25,400	H322	52.0 gr.	1695	28,300
	H4198	42.0 gr.	1523	25,200	H4198	46.5 gr.	1650	28,300
50-140 SHARPS								
425 GR LYMAN #515141	H4831	118.0 gr.	2079	22,800	H4831	125.0 gr.	2209	26,300
	H4350	105.0 gr.	2033	21,600	H4350	114.0 gr.	2242	26,700
	VARGET	95.0 gr.	2127	23,600	VARGET	102.5 gr.	2294	28,100
515 GR LYMAN **#515142**	H4831	112.0 gr.	1956	23,200	H4831	118.0 gr.	2085	27,500
	H4350	101.0 gr.	1916	22,000	H4350	108.0 gr.	2091	27,200
	VARGET	87.0 gr.	1958	24,000	VARGET	95.0 gr.	2088	27,900

*H-110 and H-4227 loads should not be reduced more than 3% due to inconsistency of velocity at the lower pressure.

POCKET PISTOL

BULLET	STARTING LOADS POWDER	GRS.	VEL. fps	MAXIMUM LOADS POWDER	GRS.	VEL. fps
32 S&W						
85 GR CAST	HP38	1.1 gr.	610	HP38	1.4 gr.	680
32 S&W LONG						
90 GR CAST	HP38	1.6 gr.	600	HP38	1.9 gr.	700
38 S&W						
145 GR CAST	HP38	2.2 gr.	595	HP38	2.5 gr.	630
38 SHOT COLT						
90 GR AA 206 LRN	UNIVERSAL	2.9 gr.	634	UNIVERSAL	3.4 gr.	775
	HP38	2.4 gr.	609	HP38	2.8 gr.	749
	TITEGROUP	2.3 gr.	639	TITEGROUP	2.7 gr.	791
	CLAYS	1.8 gr.	634	CLAYS	2.1 gr.	778
135 GR AA 202 LFP	UNIVERSAL	2.4 gr.	624	UNIVERSAL	2.8 gr.	771
	HP38	2.4 gr.	657	HP38	2.8 gr.	777
	TITEGROUP	2.3 gr.	646	TITEGROUP	2.7 gr.	760
	CLAYS	1.8 gr.	648	CLAYS	2.1 gr.	731

Please contact Hodgdon Powder Company for a FREE copy of our Basic Reloaders Manual, Pyrodex Manual or information on our NEW Triple Seven muzzleloading propellant.

COWBOY ACTION DATA

PYRODEX PELLETS IN METALIC CARTRIDGES

CARTRIDGE	BULLET	PELLETS USED	VELOCITY	PRESSURE
44 REM MAG	240 SWC	1 - PYRODEX PISTOL	1053 FPS	17,100 CUP
44/40 WCF	200 RNFP	1 - PYRODEX PISTOL	943 FPS	12,700 CUP
45 COLT	230 RNFP	1 - PYRODEX PISTOL	870 FPS	9,600 CUP
45 COLT	250 RNFP	1 - PYRODEX PISTOL	818 FPS	10,000 CUP
45-70 GOV.	405 RNFP	1 - 50/50	1015 FPS	14,200 CUP
45-70 GOV.	405 RNFP	2 - 50/30	1270 FPS	27,200 CUP
45-70 GOV.	405 RNFP	2 - PYRODEX PISTOL	1231 FPS	21,900 CUP

TRIPLE SEVEN PISTOL & LONG RANGE RIFLE LOADS

All loads with Triple Seven were developed by filling the case to a point that would allow the base of the bullet to come into contact with the powder charge. WARNING: NO COMPRESSION SHOULD BE USED WITH Triple Seven. High pressure may result by compressing this powder. Damage to your firearm may occur with heavy compression that could cause injury to the shooter. A single card wad of approximately .030 may be used between the base of the bullet and the powder charge. No other wads or fillers should be used in Triple Seven loads. All powder charges are measured by VOLUME with an adjustable black powder measure, not weighed. Do not use a powder measure designed for smokeless powder. (read warning section)

TRIPLE SEVEN PISTOL

CALIBER	TRIPLE SEVEN (Set Your Powder Measure @)		BULLET	VELOCITY	PRESSURE
38 Special	FFg	20 gr.	125 gr. RNFP	931 fps	8,800 CUP
38 Special	FFg	15 gr.	158 gr. RNFP	785 fps	7,600 CUP
38-40	FFg	30 gr.	180 gr. RNFP	887 fps	7,700 CUP
44 Special	FFg	25 gr.	200 gr. RNFP	907 fps	7,600 CUP
44 Special	FFg	20 gr.	240 gr. RNFP	778 fps	7,400 CUP
44-40	FFg	30 gr.	200 gr. RNFP	830 fps	6,500 CUP
44 Magnum	FFg	30 gr.	200 gr. SWC	984 fps	8,800 CUP
44 Magnum	FFg	25 gr.	240 gr. SWC	868 fps	9,100 CUP
44 Colt	FFg	35 gr.	200 gr. SWC	959 fps	8,500 CUP
44 Colt	FFg	30 gr.	240 gr. RNFP	838 fps	9,500 CUP

NOTE: All powder charges are measured by volume, not weight

TRIPLE SEVEN RIFLE

CALIBER	TRIPLE SEVEN (Set Your Powder Measure @)		BULLET	VELOCITY
38-55	35 gr.	FFg	250 gr. RNFP	1261 fps
40-65 Single Shot	50 gr.	FFg	400 gr. Lead	1152 fps
45-70	60 gr.	FFg	405 gr. RNFP	1260 fps
45-70	60 gr.	FFg	485 gr. LFP	1161 fps
45-120	95 gr.	FFg	405 gr. RNFP	1511 fps
45-120	95 gr.	FFg	500 gr. LFP	1375 fps

PYRODEX PISTOL & LONG RANGE RIFLE LOADS

All pistol loads shown were developed by filling the case to a point which allowed the powder to be compressed 1/16" to 1/8" when the bullet was seated. All rifle loads used a card wad of approximately .030" between the base of the bullet and the powder. The powder charges listed in the data are by volume, not weight. Use an adjustable powder measure designed for blackpowder to measure the proper charge.

The shooter may have to use a long drop tube to assist in filling the case. To reduce loads in straight sided cases simply insert card or polyethylene wads between the base of the bullet and the powder. DO NOT USE ANY OTHER FILLER. LOADS FOR THE 38-40 AND THE 44-40 SHOULD NOT BE REDUCED. NEVER ALLOW AN AIR SPACE BETWEEN THE BULLET AND THE POWDER. **DO NOT USE A POWDER MEASURE DESIGNED FOR SMOKELESS POWDER! (READ WARNINGS SECTION.)**

PYRODEX PISTOL

CALIBER	GRADE OF PYRODEX (Set Your Powder Measure @)		BULLET	VELOCITY	PRESSURE
38-40 WCF	P	30 gr.	180 gr. RNFP	920 fps	8,200 CUP
38-40 WCF	RS	30 gr.	180 gr. RNFP	903 fps	7,900 CUP
38-40 WCF	Select	30 gr.	180 gr. RNFP	821 fps	8,400 CUP
44 Special	P	30 gr.	200 gr. RNFP	990 fps	12,100 CUP
44 Special	RS	30 gr.	200 gr. RNFP	962 fps	12,300 CUP
44 Special	Select	30 gr.	200 gr. RNFP	901 fps	10,000 CUP
44 Special	P	25 gr.	240 gr. SWC	891 fps	12,800 CUP
44 Special	RS	25 gr.	240 gr. SWC	831 fps	10,000 CUP
44 Special	Select	25 gr.	240 gr. SWC	816 fps	9,700 CUP
44 Magnum	P	32 gr.	200 gr. RNFP	1022 fps	11,800 CUP
44 Magnum	RS	32 gr.	200 gr. RNFP	957 fps	10,300 CUP
44 Magnum	Select	32 gr.	200 gr. RNFP	864 fps	6,900 CUP
44 Magnum	P	30 gr.	240 gr. SWC	1000 fps	10,900 CUP
44 Magnum	RS	30 gr.	240 gr. SWC	908 fps	10,600 CUP
44 Magnum	Select	30 gr.	240 gr. SWC	809 fps	9,800 CUP
44-40 WCF	P	35 gr.	200 gr. RNFP	802 fps	9,900 CUP
44-40 WCF	RS	35 gr.	200 gr. RNFP	800 fps	9,200 CUP
44-40 WCF	Select	35 gr.	200 gr. RNFP	704 fps	8,900 CUP
45 Long Colt	P	37 gr.	250 gr. RNFP	955 fps	13,500 CUP
45 Long Colt	RS	37 gr.	250 gr. RNFP	918 fps	11,900 CUP
45 Long Colt	Select	37 gr.	250 gr. RNFP	848 fps	9,800 CUP

NOTE: All powder charges are measured by volume, not weight

PYRODEX RIFLE

CALIBER	GRADE OF PYRODEX (Set Your Powder Measure @)		BULLET	WAD	VELOCITY
38-55	55 gr.	RS/Select	250 gr.	Card .030"	1320 fps
40/65 Win.	60 gr.	RS/Select	400 gr.	*1/16" Polyethylene	1214 fps
40/70 SBN	60 gr.	P	400 gr.	Card .030"	1272 fps
40/70 SBN	70 gr.	RS/Select	400 gr.	* Card .030"	1292 fps
45/70	60 gr.	RS/Select	420 gr.	* Ox-Yoke	1248 fps
45/70	65 gr.	RS/Select	465 gr.	Card .030"	1355 fps
45/70	65 gr.	RS/Select	540 gr.	1/16"Polyethylene	1107 fps
45/90	70 gr.	RS/Select	508 gr.	Card .030"	1207 fps
45/90	85 gr.	RS/Select	508 gr.	Card .030"	1311 fps

Polyethylene wads are cut from plastic milk cartons. .030 card wads are cut from tablet back or bullet boxes.
Ox-Yoke prelubricated felt wads are from Ox-Yoke manufacturing.

TRIPLE SEVEN & PYRODEX SHOTSHELL

Any brand of shot shell may be used to create these loads. Simply put the correct charge of Pyrodex or Triple Seven (by volume) into the case and adjust the wad column height for a good crimp.

Powder charges are measured in an adjustable powder measure designed for blackpowder. **Do Not Use a Powder Measure designed for Smokeless Powders.**

(READ WARNINGS SECTION.)

Generally, one .200 nitro wad over the powder and a 1/2" felt cushion wad will give a column height close to the correct length. The addition of .050 nitro wads to the column will allow for height adjustments for different hulls. A shot collar or shot cup may be used to contain the shot charge with no adjustment to powder charge.

CAUTION: Damascus barrels should be considered unsafe with **ANY POWDER!**

(READ WARNINGS SECTION.)

TRIPLE SEVEN & PYRODEX DATA FOR BREECH LOADING SHOTGUNS

Gauge	Shot Wt. Oz.	Wad Column	Set Your Measure @	Velocity	L.U.P.
10-3 1/2	2	Card + Filler	140 Pyrodex	1154	6900
10-2 7/8	1 5/8	Card + Filler	105 Pyrodex	1115	4900
12-2 3/4	1 1/8	Card + Filler	100 Pyrodex	1043	5700
12-2 3/4	1 1/8	WAA12R	70 Pyrodex	1100	6500
12-2 3/4	1 1/8	WAA12R	70 Triple Seven	1187	7700
12-2 3/4	1 1/4	Card + Filler	90 Pyrodex	1039	5800
12-2 3/4	1 1/2	Card + Filler	90 Pyrodex	1012	5900
16-2 3/4	1	Card + Filler	90 Pyrodex	1128	5600
16-2 3/4	1 1/8	Card + Filler	80 Pyrodex	1095	5800
16-2 3/4	1 1/4	Card + Filler	80 Pyrodex	1040	6000
20-2 3/4	7/8	Card + Filler	80 Pyrodex	1134	5800
20-2 3/4	1	Card + Filler	70 Pyrodex	1090	5900
20-2 3/4	1 1/8	Card + Filler	65 Pyrodex	1052	5900

CAP AND BALL REVOLVERS

Set your blackpowder measure at the volume settings shown

CAP BALL REVOLVERS

All loads shown are maximum.

CALIBER	BALL DIAMETER	POWDER	POWDER MEASURE SETTING	VELOCITY FPS
31	.320 or 0 Buckshot	Pyrodex P	12 Gr.	580
36	.375 or 0000 Buckshot	Pyrodex P	28 Gr.	935
36	.375 or 0000 Buckshot	Triple Seven	15 Gr.	662
36	.375 or 0000 Buckshot	Triple Seven	20 Gr.	832
44	.451 or .454	Pyrodex P	37 Gr.	910
44	.451 or .454	Pyrodex Pistol Pellet		800
44	.451 or .454	Triple Seven	20 Gr.	536
44	.451 or .454	Triple Seven	25 Gr.	763
45 Ruger	.457 Round ball	Pyrodex P	43 Gr.	986
45 Ruger	.457 Round ball	Triple Seven	30 Gr.	845
45 Ruger	.457 Round ball	Triple Seven	35 Gr.	987

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Rev. 1/02